



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010448  
CERTIFICATION DATE: September 12, 2013  
DATE RECERTIFICATION DUE: March 11, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

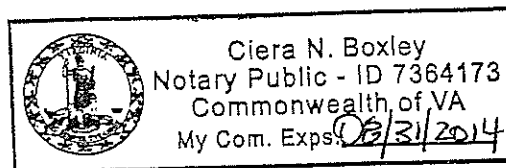
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 16<sup>th</sup> day of September, 2013 by Melissa Kennedy

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



*Sel*

DBH  
WHL

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 9/13/2013**

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**Instrument Serial Number:**     010448 **As of 13-Sep-13**

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<b>Maintenance</b>	<b>Certification</b>	<b>Technician</b>	
<b>Date</b>	<b>Date</b>	<b>Initials</b>	<b>Remarks</b>
12-Sep-13	12-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
03-Apr-13	03-Apr-13	DBH (21250)	CERTIFIED.
18-Oct-12	18-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
02-May-12	02-May-12	SED (24178)	CERTIFIED.
20-Mar-12	20-Mar-12	DBH (21250)	CERTIFIED
26-Sep-11	26-Sep-11	DBH (21250)	CERTIFIED
02-Sep-11	11-Apr-11	DBH (21250)	REPLACED DRY GAS STANDARD
11-Apr-11	11-Apr-11	DBH (21250)	CERTIFIED
25-Oct-10	25-Oct-10	DBH (21250)	CERTIFIED
10-May-10	10-May-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
30-Nov-09	30-Nov-09	DBH (21250)	CERTIFIED
16-Jun-09	16-Jun-09	DBH (21250)	CERTIFIED.
02-Apr-09	02-Apr-09	DBH (21250)	CERTIFIED.
04-Mar-09	04-Mar-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
12-Dec-08	12-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH  
NCH

## INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010448 Worksheet Start Date 9/12/2013

Location Newport News North

Address 368 Deshazor Dr Newport News VA 23608

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

### Site Specifications

	Yes	No
<b>1 Secured Environment:</b> Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>2 Environment free from contaminants</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>3 Dedicated telephone line:</b> The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>4 Adequate Ventilation:</b> Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>5 Stable temperature controls:</b> The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 115VAC power source:</b> Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>7 Room Condition:</b> The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	100
Keyboard		Certificates of Analysis	100
Printer		Operator Worksheet	100
UPS		Other:	

Maintenance (if any)  
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010448

Certification Date 9/12/2013

Instrument Barometer (mm HG) 757

Reference Barometer (mm HG) 759

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.249	0.241	0.256	Sample 2	0.248
Precision		sample min	sample max	Sample 3	0.247
0.001		0.247	0.248		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.149	0.144	0.153	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG211702-02

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

*Donald B. Hall*

Date

9/13/13

Issuing Analyst

*Melissa Kennedy*

Date

9/16/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/12/2013</b>
TEST EQUIPMENT NUMBER <b>010448</b>		

RESULTS: TIME SAMPLE TAKEN **14:06 EDT**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 13 Sep 2013 at 08:48

DBH

WIK

## Test Results

Instrument Serial Number 010448

Test # 001142 Subject Test

Test Location 1 Department of

Test Date 12 Sep 2013

Test Location 2 Forensic Science

Test Time 14:00

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

License Number 21250

Operator's Middle Initial B

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 12 Sep 2013 End Time 14:07

Result Time 14:06

Result Date 12 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:00

Data Type BLK

Sample Value 0.000

Sample Time 14:01

Data Type CHK

Sample Value 0.101

Sample Time 14:02

Data Type BLK

Sample Value 0.000

Sample Time 14:03

Data Type SUBJ

Sample Value 0.000

Sample Time 14:04

Data Type BLK

Sample Value 0.000

Sample Time 14:05

Data Type SUBJ

Sample Value 0.000

Sample Time 14:06

Data Type BLK

Sample Value 0.000

Sample Time 14:07

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG211702-02

Standard Expiration Date 04/26/2014

Tank Pressure 585

Barometric Pressure 757 mmHg

Blow Sample Number 1 Blow Duration 4.38 sec

Blow Volume 2225 cc

End-of-Blow Time 14:04

Blow Sample Number 2 Blow Duration 3.80 sec

Blow Volume 1869 cc

End-of-Blow Time 14:06

Tamper Evident Stamp 2559c4ed

Test Status Code 0

Test Status Success

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010448

System Date: 09/12/2013

System Time: 14:32 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBT

NXL

**Intox EC/IR-II: Calibration***Department of Forensic Science*

Serial Number: 010448      Test Number: 1143

Test Date: 09/12/2013      Test Time: 14:34 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-05      Exp Date: 04/01/2014

Tank Pressure: 433 psi      Barometric Pressure: 756 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:35
CAL	0.100	14:36

Test Status: *Success*

Calibration CRC: 0845FB38

ADK



DBH

# **Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010448      Test Number: 1144  
Test Date: 09/12/2013      Test Time: 14:39 EDT

*MDL*

Technician Initials: DBH

Dry Gas Target: 0.249

Lot Number: 29612250I2-10      Exp Date: 11/01/2014

Tank Pressure: 306 psi      Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:40
BLK	0.000	14:40
CHK	0.248	14:41
BLK	0.000	14:42
CHK	0.247	14:43
BLK	0.000	14:45
CHK	0.247	14:45
BLK	0.000	14:47

## **Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010448      Test Number: 1145  
Test Date: 09/12/2013      Test Time: 14:50 EDT

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 06512150I4-07      Exp Date: 04/01/2014

Tank Pressure: 95 psi      Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:50
BLK	0.000	14:51
CHK	0.150	14:51
BLK	0.000	14:53
CHK	0.150	14:54
BLK	0.000	14:55
CHK	0.150	14:56
BLK	0.000	14:57

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH  
9/13/13

M&L

DBH

# **Intox EC/IR-II: Certification**

MDH

*Department of Forensic Science*

Serial Number: 010448      Test Number: 1146  
Test Date: 09/12/2013      Test Time: 14:59 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 06512080I2-03      Exp Date: 04/01/2014

Tank Pressure: 272 psi      Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:00
BLK	0.000	15:00
CHK	0.080	15:01
BLK	0.000	15:02
CHK	0.080	15:03
BLK	0.000	15:04
CHK	0.080	15:05
BLK	0.000	15:06

## **Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

WKL

*Department of Forensic Science*

Serial Number: 010448      Test Number: 1147  
Test Date: 09/12/2013      Test Time: 15:08 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05      Exp Date: 04/01/2014

Tank Pressure: 169 psi      Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:09
BLK	0.000	15:10
CHK	0.019	15:10
BLK	0.000	15:12
CHK	0.019	15:12
BLK	0.000	15:13
CHK	0.019	15:14
BLK	0.000	15:15

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

**Intox EC/IR-II: Accuracy Check***Department of Forensic Science*

Serial Number: 010448      Test Number: 1148

Test Date: 09/12/2013      Test Time: 15:20 EDT

Dry Gas Target: 0.298

Lot Number: AG322702-04      Exp Date: 08/15/2015

Tank Pressure: 419 psi      Barometric Pressure: 756 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:21
CHK	0.301	15:22
BLK	0.000	15:23
CHK	0.301	15:24
BLK	0.000	15:26
CHK	0.300	15:27

Test Status: *Success*

Calibration CRC: 0845FB38

JSH

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010448      Test Number: 1149

Test Date: 09/12/2013      Test Time: 15:29 EDT

Dry Gas Target: 0.100

Lot Number: AG211702-02      Exp Date: 04/26/2014

Tank Pressure: 575 psi      Barometric Pressure: 756 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:30
CHK	0.100	15:31
BLK	0.000	15:33
CHK	0.100	15:33
BLK	0.000	15:35
CHK	0.100	15:35

Test Status: *Success*

Calibration CRC: 0845FB38




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/12/2013</b>
TEST EQUIPMENT NUMBER <b>010448</b>		

RESULTS: TIME SAMPLE TAKEN 15:44 EDT  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 13 Sep 2013 at 08:48

DBH

WJH

## Test Results

Instrument Serial Number 010448

Test # 001150 Subject Test

Test Location 1 Department of  
Test Date 12 Sep 2013

Test Location 2 Forensic Science  
Test Time 15:38  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 12 Sep 2013 End Time 15:45

Result Time 15:44

Result Date 12 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:38

Data Type BLK

Sample Value 0.000

Sample Time 15:39

Data Type CHK

Sample Value 0.100

Sample Time 15:40

Data Type BLK

Sample Value 0.000

Sample Time 15:41

Data Type SUBJ

Sample Value 0.000

Sample Time 15:42

Data Type BLK

Sample Value 0.000

Sample Time 15:43

Data Type SUBJ

Sample Value 0.000

Sample Time 15:44

Data Type BLK

Sample Value 0.000

Sample Time 15:45

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG211702-02

Standard Expiration Date 04/26/2014

Tank Pressure 571

Barometric Pressure 756 mmHg

Blow Sample Number 1 Blow Duration 3.41 sec

Blow Volume 1787 cc End-of-Blow Time 15:42

Blow Sample Number 2 Blow Duration 3.80 sec

Blow Volume 1829 cc End-of-Blow Time 15:44

Tamper Evident Stamp 67f1557a

Test Status Code 0

Test Status Success